BODMAS: Order of Operations

Order of Operations
BODMAS is used to help you remember the order of operations for solving problems. The order is shown below:

B	**B**rackets
O	**O**rder (powers, square roots)
D M	**D**ivision and **M**ultiplication (read from left to right)
A S	**A**ddition and **S**ubtraction (read from left to right)

EXAMPLE: Evaluate $(6 - 2 \times 2 + 2) \times 4 - 2$

$(6 - 2 \times 2 + 2) \times 4 - 2$ Focus on the brackets first

$(6 - 2 \times 2 + 2) \times 4 - 2$ Multiplication next
$(6 - 4 + 2) \times 4 - 2$

$(6 - 4 + 2) \times 4 - 2$ Addition and Subtraction
$(4) \times 4 - 2$

$4 \times 4 - 2$ Multiplication again
$16 - 2$

$16 - 2$ Subtraction again
14 Final answer

Instructions: Evaluate the expressions below.

1	$4 \quad \times \quad 2 \quad + \quad (21 \quad - \quad 11) \quad \div \quad 2$

2	$12 \div 2 \times 5 - (15 - 6)$
3	$(9 + 3 \times 7 - 6) \div 4$
4	$8 \div 2 \times 12 - 8 \times 2$
5	$6 + 4 \times 11 - 8 + 10$
6	$(30 \div 6 + 12 - 3) \times 10$
7	$32 \div (2 \times 21 - 26) + 12$
8	$13 + 2 \times (42 \div 6) - 15$

9	$(4^2 - 5) \times (21 - 18 + 7)$
10	$54 \div 3^2 + 8 - 12$
11	$(5^2 \times 4 \div 5 - 14) \times 6$
12	$63 \div (9 \times 3 - 6 \times 4)$
13	$(60 \div 12 + 6^2) - 4^2$
14	$2 \times 8^2 - (14 - 8)^2 + 13$
15	$4^2 \div (18 - 4^2)^2 + (3 + 4)^2$